HERITAGE REMEDIATION/ENGINEERING, INC.

5656 Opportunity Drive
Toledo, OH 43612
Phone: 419/478-4396
FAX: 419/478-4560

August 27, 1991

Mr. A. William Nosil
Engineering Manager
HEXCEL CORPORATION
11555 Dublin Blvd.
Dublin, CA 94568

RE: Underground Storage Tank
Closure Assessment Report
Former Hexcel Facility
Lodi, New Jersey
ECRA Case #86009
HR/E Project #60071

Dear Mr. Nosil:

Heritage Remediation/Engineering, Inc. (HR/E) is pleased to submit this report as referenced above. The work consisted of documentation of site activities, an environmental assessment of the underground storage tank (UST) excavation pits, and written documentation of all work procedures. This report contains all the aforementioned activities, including tank disposal documentation and laboratory analysis.

We trust this report is responsive to your needs. If you have any questions or concerns about this report, please feel free to contact us at your convenience at 1-800-338-4396.

Respectfully,
Heritage Remediation/Engineering, Inc.

Robert R. Beckwith, CPG
Senior Hydrogeologist

Attachments

cc: Gary Sanderson (3 copies)
Robert Powell
James Higdon
Jeff Stevens

91RB3104.T1

UNDERGROUND STORAGE TANK CLOSURE ASSESSMENT REPORT FORMER HEXCEL INDUSTRIAL CHEMICALS FACILITY

Lodi Borough, Bergen County
Lodi, New Jersey

ECRA Case #86009

Submitted to:

HEXCEL CORPORATION
11555 Dublin Blvd.
Dublin, CA 94568

Prepared by:

Heritage Remediation/Engineering, Inc.
5656 Opportunity Drive
Toledo, Ohio 43612

August 26, 1991

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1.0 INTRODUCTION

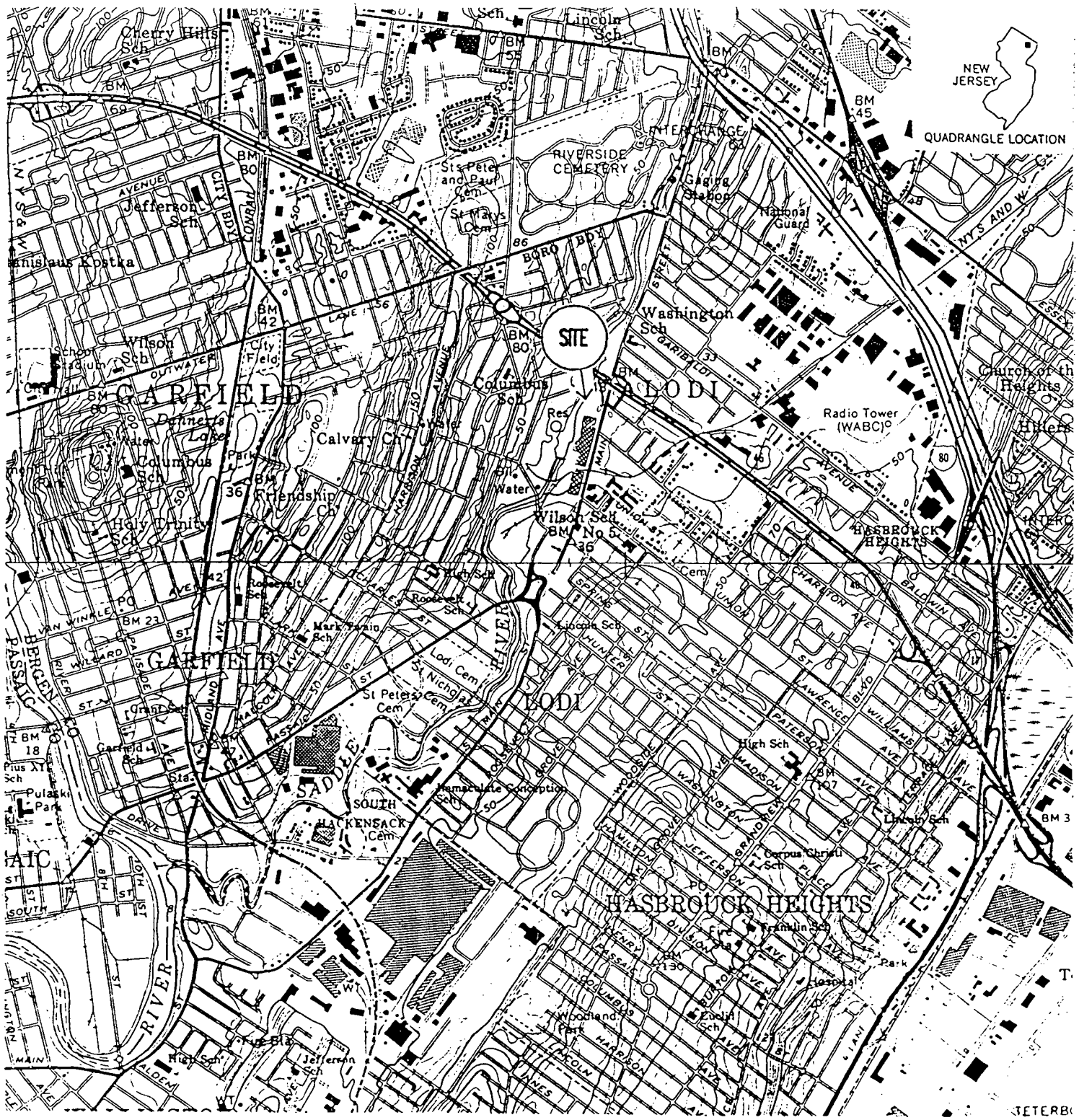
In response to Item 29 of the approved ECRA Case #86009 clean-up plan dated July 31, 1990, Hexcel Corporation (HEXCEL) contracted Heritage Remediation/Engineering, Inc. (HR/E) abandon three underground storage tanks (USTs) at the former HEXCEL facility currently owned and operated by Fine Organics Corporation located at 205 Main Street, Lodi, New Jersey (Figure 1). USTs removed on June 19 and 20, 1991 consisted of three (3) steel tanks as follows; one 500 gallon gasoline tank, one 4,000 gallon fuel oil tank, and one 2,000 gallon fuel oil tank. The two fuel oil tanks were situated east of Building 1 adjacent to the Boiler Room in a single excavation (designated here as Tank Cavity #1), and the gasoline tank was situated north of Building 6 (designated here as Tank Cavity #2). Sheet 2 (attached plate holder) depicts the location of both areas.

The following sections describe the work procedures performed on this closure project with respect to the UST excavations and disposal, and the environmental assessment of the tank pits.

2.0 WORK PERFORMED

Prior to initiation of this closure program, the NJDEP Division of Hazardous Waste Management office was contacted by HR/E to express the intent of closing the site's USTs. Appendix A contains NJDEP approval letter, UST Closure Approval form, Standard Reporting form, Construction Permit, Letter of UST Destruction, and concrete disposal bill of lading.

A qualified HR/E hydrogeologist was present on site during tank removal operations. A visual site walk-over inspection was conducted prior to excavation activities. No obvious signs of past or present operational problems associated with the UST systems were observed. A New Jersey licensed Engineer was utilized to design and supervise structural supports for the two aboveground storage tanks and the building foundation adjacent to Tank Cavity #1.



HACKENSACK QUADRANGLE
NEW JERSEY
7.5 MINUTE SERIES (TOPOGRAPHIC)

WEEHAWKEN QUADRANGLE
NEW JERSEY – NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)

FIGURE 1
SITE LOCATION MAP

FORMER HEXCEL INDUSTRIAL
CHEMICALS FACILITY
Lodi Borough, Bergen County
Lodi, New Jersey

UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24000

884500005

2.1 Site Preparation

After mobilization of personnel and equipment, site preparation tasks were performed as follows:

- set up exclusion zones and decontamination area
- installed aboveground tank supports
- confirmed tank liquid volumes
- flushed piping into the tanks
- purged tanks with nitrogen gas
- broke and removed concrete overburden and placed into a roll-off box
- excavated to expose tops of the tanks

All three USTs contained a few inches of water (total of approximately 450 gallons) which was removed prior to HR/E starting work.

2.2 Tank Removal

HR/E personnel began the process of rendering the vessels explosion proof and free of flammable gas mixtures prior to lifting the USTs from the cavity. The following tasks illustrate the steps to accomplish removal efforts:

- excavated remaining overburden and removed piping
- pumped liquid from the tanks and containerized for on-site treatment
- air-chiseled access holes on top of the tanks
- washed tanks' interiors with detergent and water
- pumped out washwater and containerized for on-site treatment
- lifted tanks from excavation utilizing hydraulic crane
- washed exterior of the tanks with pressure washer
- cut tanks into manageable sizes
- sampled and analyzed tank carcasses

The vessels were triple washed and rinsed while being suspended above the excavation cavity with visqueen lain to protect surrounding structures from overspray and splashing. Tank water and rinsates were collected for on-site handling through the treatment system. Treatment consisted of chemical additives to separate emulsified oil and carbon filtration to remove PCBs. The three UST's were purged, cleaned, cut up, and flattened before transporting to Parkway Iron and Metal Co., Clifton, New Jersey for destruction (see attached Letter of Destruction in Appendix A). Excavated soil was placed into roll-off boxes until off-site disposal can be

arranged. At this time, no landfill was found to accept the material. Concrete overburden (approximately 20 tons) was placed in a roll-off box, sampled for PCBs, and disposed off site at R.A. Hamilton, Clifton, New Jersey (see Appendix A).

Excavation backfill material (sand and gravel) was purchased from John Donkersloot & Son, Inc, Clifton, New Jersey. Included in Appendix A are letters documenting the fill came from virgin banks. The fill was compacted and covered with concrete to a thickness of approximately four inches.

2.3 Sampling Procedures

Discrete soil samples were collected from the four sidewalls and bottom of both excavations and were placed into proper sample containers with latex sample gloves over the hands, which were changed between sampling. The samples came from material which pre-existed the UST installations (silty sand). Pit water samples from Tank Cavity #1 (Boiler Room) and soil samples from the sidewalls and bottom of both excavations were analyzed for VOC+15, BN+15, TPH, and PCBs; all with a Tier II reporting package. The screening of the soils from the side walls and bottom was not performed due to a malfunction with a MICROTIP photoionization indicator (PID).

Soil and water samples were placed into 40 ml. vials, 80 ml. and 8 ounce glass containers furnished by the analytical laboratory and were put into a cooler and kept at approximately 4 degrees C. Samples were transported to All-Test Environmental Laboratories, Inc. (NJDEP #02525) located at 60 Railroad Avenue, Hasbrouck Heights, New Jersey following completion of sample collection under chain of custody protocols. Copies of the laboratory analytical results are included with this report as Appendix B.

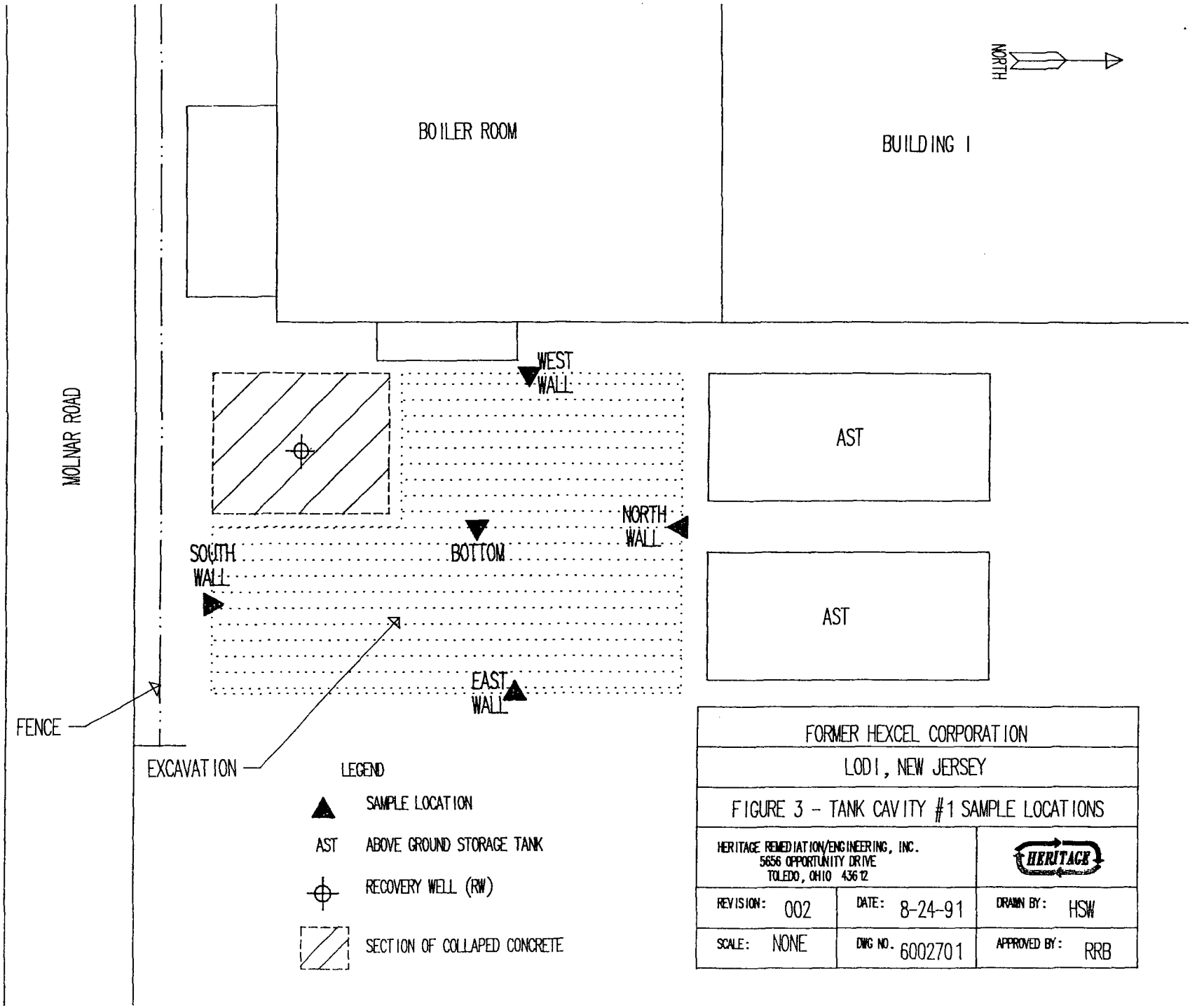
3.0 TANK CAVITY DESCRIPTION

The following subsections details the USTs, excavation pit's conditions, and laboratory analyses for each tank cavity.

3.1 Tank Cavity #1

The vessels of the 4,000 gallon fuel oil tank, and the 2,000 gallon fuel oil tank were inspected after removal from the cavity and were found to be in poor condition with several corrosion holes. Dimensions of the excavation zone were approximately 20 feet by 20 feet (sloping inward) and 10 feet deep. A dark hydrocarbon film was observed on the pit water. During excavation procedures, hydrocarbon-stained soil was observed, and hydrocarbon odors were noticed. A previously installed recovery well (RW) was destroyed during removal operations when a section of concrete overburden collapsed. This well will be replaced, plus a second well will be installed at a later date in the backfilled excavation area.

After tank removal procedures had been completed, soil samples were collected from the excavated pit of at an interval 0-6 inches above the water table from Tank Cavity #1 (see Figure 3). The following Table 1 summarizes the soil sample analyses from Tank Cavity #1 delivered to the laboratory June 20, 1991. Field blank samples consisted of soils obtained from the clean backfill material, and the trip blank consisted of Hyponex potting soil purchased at a local department store. The trip blank was prepared off-site in a clean environment.



FORMER HEXCEL CORPORATION		
LODI, NEW JERSEY		
FIGURE 3 - TANK CAVITY #1 SAMPLE LOCATIONS		
HERITAGE REMEDIATION/ENGINEERING, INC. 5656 OPPORTUNITY DRIVE TOLEDO, OHIO 43612		HERITAGE
REVISION: 002	DATE: 8-24-91	DRAWN BY: HSW
SCALE: NONE	DWG NO. 6002701	APPROVED BY: RRB

884500009

TABLE 1
TANK CAVITY #1 (BOILER ROOM USTs)
ANALYTICAL RESULTS

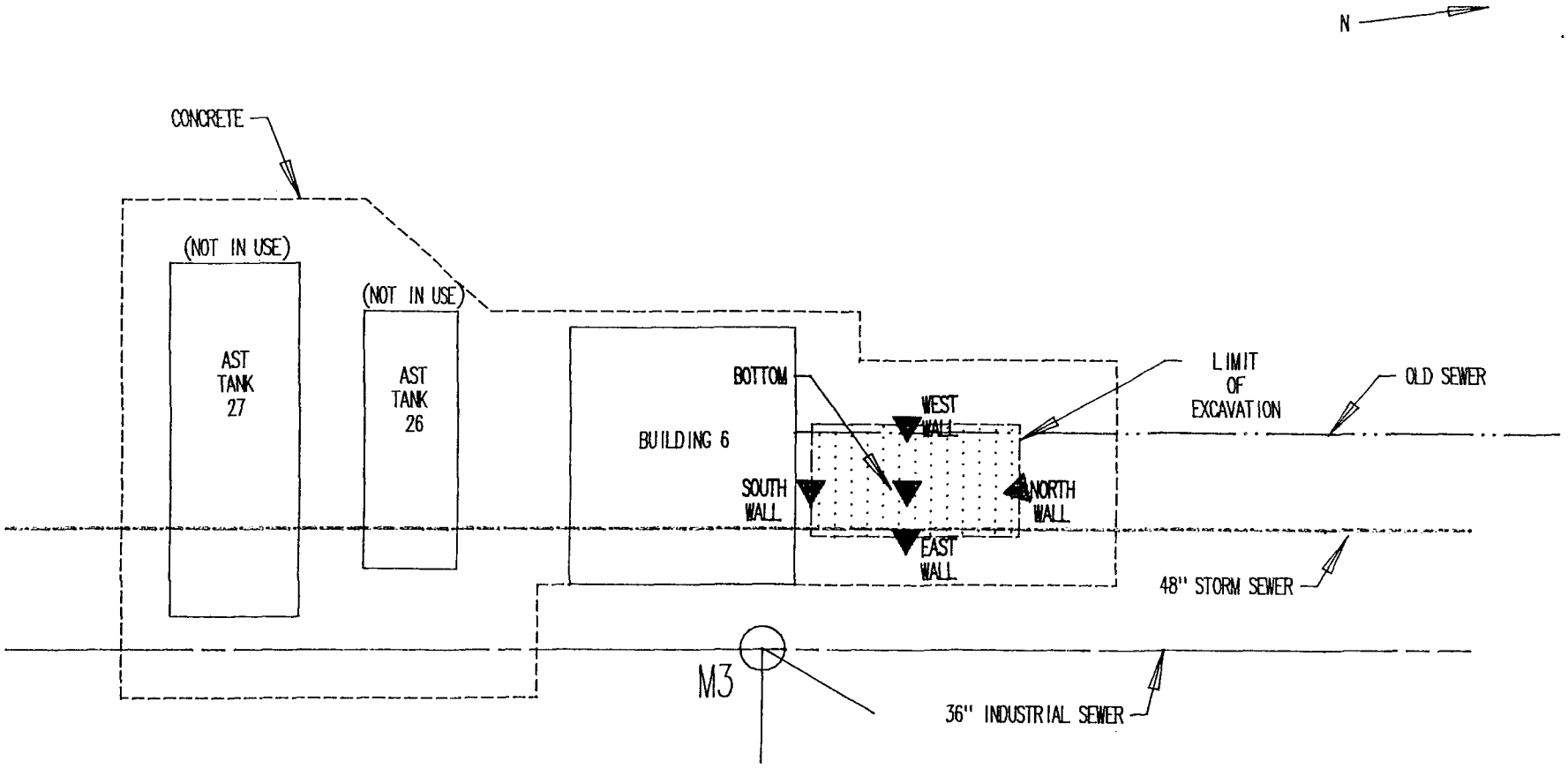
SAMPLE LOCATION	TOTAL VOCs (ug/kg) SOILS	PCBs (1242) (ug/kg) SOILS	TPH (mg/kg) SOILS	TOTAL BASE NEUTRALS (ng/kg) SOILS
North Wall	14,819.9	24	4,152.9	6,311.7
South Wall	8,324.3	32	448.7	1,810.4
East Wall	245,750.7	ND	9,362.6	ND
West Wall	68,030.8	ND	31,230.1	14,844.9
Bottom	48,030.1	ND	18,990.1	42,972.5
Field Blank	34.4	ND	66.7	12
Trip Blank	18.1	NA	93.2	NA
	TOTAL VOCs (ug/l) WATER	PCBs (1242) (ug/l) WATER	TPH (mg/l) WATER	TOTAL BASE NEUTRALS (ug/l) WATER
Cavity Water	138,992.2	48	203.0	1,146.4
Lab Blank	ND	NA	NA	ND

ND - Non-Detected above MDL
NA - Not Analyzed

3.2 Tank Cavity #2

The vessel of the 500 gallon gasoline tank was inspected after removal from the cavity and was found with some corrosion holes in the tank. Dimensions of the excavation zone were approximately 6 feet wide by 10 feet long (sloping inward) and 6 feet deep. No ground water was observed in the pit. During excavation procedures, hydrocarbon odors were noticed.

After tank removal procedures had been completed, soil samples were collected from the excavated pit of Tank Cavity #2 (see Figure 4). The following Table 2



LEGEND

▼ SAMPLE LOCATION

FORMER HEXCEL CORPORATION		
LODI, NEW JERSEY		
FIGURE 4 - TANK CAVITY #2 SAMPLE LOCATIONS		
HERITAGE REMEDIATION/ENGINEERING, INC. 5656 OPPORTUNITY DRIVE TOLEDO, OHIO 43612		HERITAGE
REVISION: 002	DATE: 8-24-91	DRAWN BY: HSW
SCALE: NONE	DWG NO. 6002702	APPROVED BY: RRB

884500011

summarizes the soil sample analyses from Tank Cavity #1 delivered to the laboratory June 20, 1991.

TABLE 2
TANK CAVITY #2 (REAR UST)
ANALYTICAL RESULTS

SAMPLE LOCATION	TOTAL VOCs (ug/kg) SOILS	PCBs (1242) (ug/kg) SOILS	TPH (mg/kg) SOILS	TOTAL BASE NEUTRALS (ng/kg) SOILS
North Wall	7,558.8	ND	61.3	661.9
South Wall	21,783.7	187	2,647.6	6,306.4
East Wall	13,849.5	ND	1,729.1	ND
West Wall	12,081.7	ND	3,308.4	55,799.3
Bottom	2,472,596.6	2,357	4,892.4	49,297.9

ND - Non-Detected above MDL
NA - Not Analyzed

4.0 CONCLUSIONS

The UST's were removed by HR/E personnel. The tanks were purged, cleaned, cut up, flattened, and delivered to Parkway Iron and Metal Co., Clifton, New Jersey for recycling. Tank water and rinsates were collected for on-site handling through the treatment system.

Laboratory analysis performed on the samples from the tank systems showed significant concentrations of tested components in the soils and ground water. Buildings, aboveground storage tanks, subsurface utilities and sewer lines prevented further excavation of impacted soils.

APPENDIX A

NJDEP Approval Letter

UST Closure Approval

Standard Reporting Form

Construction Permit

Letter of UST Destruction

Concrete Disposal Bill of Lading

Backfill Material Certification

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
CN 028
Trenton, N.J. 08625-0028
(609) 633-7141
Fax # (609) 633-1454

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Edward Hogan, Esq.
Porzio, Bromberg & Newman
163 Madison Avenue
Morristown, NJ 07960

Dear Mr. Hogan:

RE: Hexcel Corp. - Industrial Chemicals Group ("Hexcel")
Lodi Borough, Bergen County
ECRA Case #86009
Proposal for Tank Removal dated March 27, 1991

The Department has completed the review of the above referenced proposal and finds it acceptable, with the following conditions:

1. Hexcel shall excavate all free product-contaminated soils encountered, to the extent possible without undermining support for adjacent structures. Excavated soils shall be properly disposed of off site.

2. Hexcel shall, in addition to the proposed base post excavation samples, collect side wall samples at an interval of 0-6" above the water table. The samples shall be analyzed for total petroleum hydrocarbons (TPH), polychloronated biphenyls (PCB), base neutral compounds plus 15 (BN+15) and volatile organic compounds plus 15 (VO+15).

This approval also satisfies the requirement for Closure Plan approval for the underground storage tank(s) (UST) at the Fine Organic, Inc. Facility that are regulated by the UST Regulations (N.J.A.C. 7:14B). Enclosed is an executed UST Closure Plan approval which shall be presented, prior to Closure Plan implementation, to the Local Construction Official so that the appropriate permits can be issued by the municipality.

A Standard Reporting Form (SRF) will be required after the closure of an underground storage tank regulated by N.J.A.C. 7:14B. The signed SRF with only Sections 1-5 completed and the information requested on the attached "Closure Notice" shall be submitted within 7 days after the completion of the tank closure (physical tank removal or abandonment) to the Division of Water Resources, Bureau of Underground Storage Tanks.

JUN 1 4 RECD

884500014

Should you have any further questions regarding this matter, please contact Gary Sanderson at (609) 633-7141.

Sincerely,

Tessie W. Fields, Acting Section Chief
Bureau of Environmental Evaluation
and Cleanup Responsibility Assessment

Enclosures
c: Brian Sogorka, BEERA
Jeffery Fehr, BGWDC
Kenneth Goldstein, Chief, BUST
William Nosil, Hexcel
Joseph Ritchey, Heritage
Robert Powell, Environ

884500015

Underground Storage Tank
CLOSURE APPROVAL

Division of Hazardous Waste Management
Industrial Site Evaluation Element
CN-028
Trenton, NJ 08625-0028

UST NO. 0058212-ACF-3

ECRA CASE # 86009

Hexcel Corp.-Industrial Chemical Group
205 Main Street
Lodi, NJ 07644

Block: 81-A; 16a-A
Lot: 10-A; 1A-2A

The above listed facility is hereby granted approval to perform the following activity in accordance with N.J.A.C. 7:14B-1 et seq.

Removal of: 2-10,000 gallon fuel oil tanks
1-550 gallon gasoline tank

Authorized Agent: Edward A. Hogan Title: Attorney
Telephone:( ) 201-992-8700

Owner: Robert Nosil Telephone:( ) 415-828-4209

EFFECTIVE DATE: JUN 07 1991

This form must be displayed at the site during the approved activity and must be made available for inspection at all times.

Dawn M. Pompeo

DEP AUTHORIZATION
Dawn M. Pompeo, Chief
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment

New Jersey Department of Environmental Protection

JUL 2 RECD

884500016

0027 2.1.5

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

ATTN: BUST Program
(609) 984-3166

For State Use Only	
Date Rec'd.	
Auth.	
Routing	
UST NO.	

STANDARD REPORTING FORM
for reporting activities at an UST facility:

___ General Facility Information Changes	___ Sale or Transfer
_X_ Closure (Abandonment or Removal)	___ Substantial Modification
___ Temporary Closure	___ Financial Responsibility
___ Change in Service	___ Address Change Only

Check ONLY One Type of Activity – Complete Form For That Activity

(More than one tank can be listed per activity)

*** NOTE *** ALL NEW tank installations at existing registered facilities must submit a Registration Questionnaire for the new tanks.

Answer questions 1 through 5 and others as applicable.

1. Company name and address (as it appears on registration questionnaire): Fine Organics Corporation
205 Main St.
Lodi, New Jersey 07644

2. Facility name and location (if different from above): Same

3. Contact person for this activity: Joseph D. Ritchey
Telephone Number: (419) 478-4396

4. The identification number of the affected tank as it appears in Question Number 12 on the Registration Questionnaire: C1(2000 gal), C2(4000 gal), C3(500 gal)

5. Registration Number (if known): UST - 0058214

6. For GENERAL FACILITY INFORMATION changes (address, telephone, contact person, etc. – supply NEW information only):

a. Facility name: _____
b. Facility location: _____
c. Owner's mailing address: _____
_____
_____ NJ _____
_____
d. Block: _____ Lot: _____
e. Contact person (facility operator): _____
f. Contact telephone number: (_____) _____ - _____
g. Other (Specify): _____

884500017

a. ☐ Abandonment

Attach the necessary implementation schedule (3 copies) and all documentation needed for abandonment per N.J.A.C. 7:14B-9.1 (d).

b. ☐ Removal

Attach the necessary implementation schedule (3 copies).

8. For CHANGES IN HAZARDOUS SUBSTANCES STORED (check all that apply):
   a. ☐ Temporary Closure (12 month maximum time – see N.J.A.C. 7:14B-9.1(b)). Remove all hazardous substances; leave tank in place.
   b. ☐ Change in service from a regulated substance to a non-regulated substance. Tank must be cleaned and site assessment performed per N.J.A.C. 7:14B-9.1(e).
   c. ☐ Changes in service from one regulated hazardous substance to another regulated hazardous substance.

   Tank No. _____ Old _____ New _____
   Tank No. _____ Old _____ New _____
   Tank No. _____ Old _____ New _____
   (Attach additional sheets if more space is needed)

9. For TRANSFER OF OWNERSHIP:
   a. New Owner (operator) _____
   b. New Facility Name _____
   _____
   _____ NJ _____
   _____
   County
   c. Closing Attorney _____ Tele: (____) _____ - _____

10. For SUBSTANTIAL MODIFICATIONS (to include any retrofitted activity – e.g. the addition of spill/overfill protection, monitoring systems, cathodic protection, etc.):
    a. Type of Modification _____
    b. "NOTE" Substantial modifications require a permit under N.J.A.C. 7:14B-10.

11. For changes in FINANCIAL RESPONSIBILITY to (check appropriate changes and attach copies of new information):
    a. Policy Type: ☐
    b. Policy Number: ☐
    c. Other: ☐
    d. Company/Carrier: ☐
    e. Expiration Date: ☐

    _____
    _____
    _____
    (Specify)

NOTE: ALL appropriate and applicable permits, licenses and certificates required by the above activity(ies) from any local, state and/or federal agencies must be obtained separately from this notification.

CERTIFICATION

"This registration form shall be signed by the highest ranking individual at the facility with overall responsibility for that facility (N.J.A.C. 7:14B-2.3 (a) 1)."**

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including fines and/or imprisonment."

Signature: _____

Name (print or type): William J. Reidy

Title: Chief Executive Officer Date: 6/27/91

884500018

CLOSURE NOTICE

A Standard Reporting Form (SRF) will be required after the closure of an underground storage tank subject to the Underground Storage Tank Regulations (N.J.A.C. 7:14B). The signed SRF with only Sections 1-5 completed and the information requested below shall be submitted within 7 days after the completion of the tank closure (physical tank removal or abandonment) to the Division of Water Resources, Bureau of Underground Storage Tanks.

ECRA Case Number: 68009

Date(s) of Tank Closure(s): 6/19/91

Abandonment or (Removal) (circle one, if multiple tanks indicate below)

List number of tanks, size and contents:

C1, No. 4 Fuel Oil UST	2000 gal, approx. 100 gal. water
C2, No. 4 Fuel Oil UST	4000 gal approx. 300 gal. water
C3, Leaded Gasoline UST	550 gal, approx. 50 gal. water

884500019

SUBCODE
TECHNICAL SECTION

Date Issued
Control #
Permit # 11-[illegible]32

IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANG-
G CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

ock 81A Lot 10A
ork Site Location 205 Main St.
Lodi, NJ 07644
ner in Fee Fine Organics Corp.
dress 205 Main St.
Lodi, NJ 07644
e. (201) 472-6800
ntractor Heritage Remediation/Eng., Inc.
dress 5656 Opportunity Dr.
Toledo, OH 43612
e. (419) 478-4396
No.
eral Emp. No. 35-1488327 or Social Security No.

FIRE PROTECTION CHARACTERISTICS

Group Present Proposed
str. Class. Present Proposed
ting Systems [ ] New [ ] Existing
/pe: [ ] Gas [ ] Oil [ ] Electrical [ ] Solar
[ ] Other
Location:
l Est. Cost of Fire Prot. Work $ [ ] Other

3 SUMMARY (Office Use Only)

AN REVIEW:	INSPECTIONS:	Dates (Month/Day)			
No Plans Required	Type:	Failure	Failure	Approval	Initial
t Plan Review Required:					
Bldg. [ ] Plumb. [ ] Elec.	Suppression Test				
Fire Plans Approved	Fire Alarm Test				
e:	Smoke Test				
roved by:	Mechanical				
CODE APPROVAL:	TCO				
CO [ ] CCO [ ] CA	Other				
:	Other				
roved by:	Other				

ERTIFICATION IN LIEU OF OATH

eby certify that I am the (agent of) owner of
d and am authorized to make this application.

SIGNATURE

D. TECHNICAL SITE DATA

Description of Work

Water Supply Source
Method of Valve Supervision
Local Alarm Supervision
Central Supervision
Proprietary Supervision

Flammable Liquid Storage Tanks ( ) Capacity Fuel
Combustible Liquid Storage Tanks ( ) Capacity Fuel
L.P.G. Storage Tanks ( ) Capacity Fuel
L.N.G. Storage Tanks ( ) Capacity Fuel

	Number	FEE (Office Use Only)
Wet Sprinkler Heads		
Dry Sprinkler Heads		
TOTAL		
Smoke Detectors		
Heat Detectors		
TOTAL		
Stand Pipes		
Kitchen Hood Exhaust Systems		
Pre-Engineered Systems		
CO_2 Suppression		
Halon Suppression		
Foam Suppression		
Dry Chemical		
Wet Chemical		
Gas or Oil Fired Appliance		
OTHER TANKS	3	

Administrative Surcharge $
Paid [ ] Check # CK 4150 Minimum Fee $ 75.00
Collected by TOTAL FEE $ 75.00

600227 [illegible] 2.1.5

884500020

U.C.C. Form F-140A 1 White=Inspector Copy 2 Canary=Office Copy
3 Pink=Office Copy 4 Gold=Applicant Copy

CONSTRUCTION PERMIT

Date Issued 6.12.91
Control #
Permit # 91.1232

IDENTIFICATION Block 81A Lot 10A

Work Site Location 205 Main St.
Lodi, NJ 07644

Owner In Fee Fine Organics Corp.
Address 205 Main St.
Lodi, NJ 07644
Tele. (201) 472-6800

Contractor Heritage Remediation/Eng., Inc.
Address 5656 Opportunity Dr.
Toledo, OH 43612
Tele. (419) 478-4396
Lic. No. or Bldrs. Reg. No. _____ Exp. Date _____
Federal Emp. No. 35-1488327
or Social Security No. _____

is hereby granted permission to perform the following work:

[ ] BUILDING [ ] PLUMBING [X] OTHER UST Removal
[ ] ELECTRICAL [ ] FIRE PROTECTION

DESCRIPTION OF WORK:

Remove three (3)
underground storage tanks.

PAYMENTS (Office Use Only)	
Building	
Plumbing	
Electrical	
Fire Protection	75-
Other	
Other	
DCA Training Fee	
Cert. of Occ.	
Other	
Total	75-
Check No.	CC1233
Cash	
Collected By:	

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work $ 56,000.00

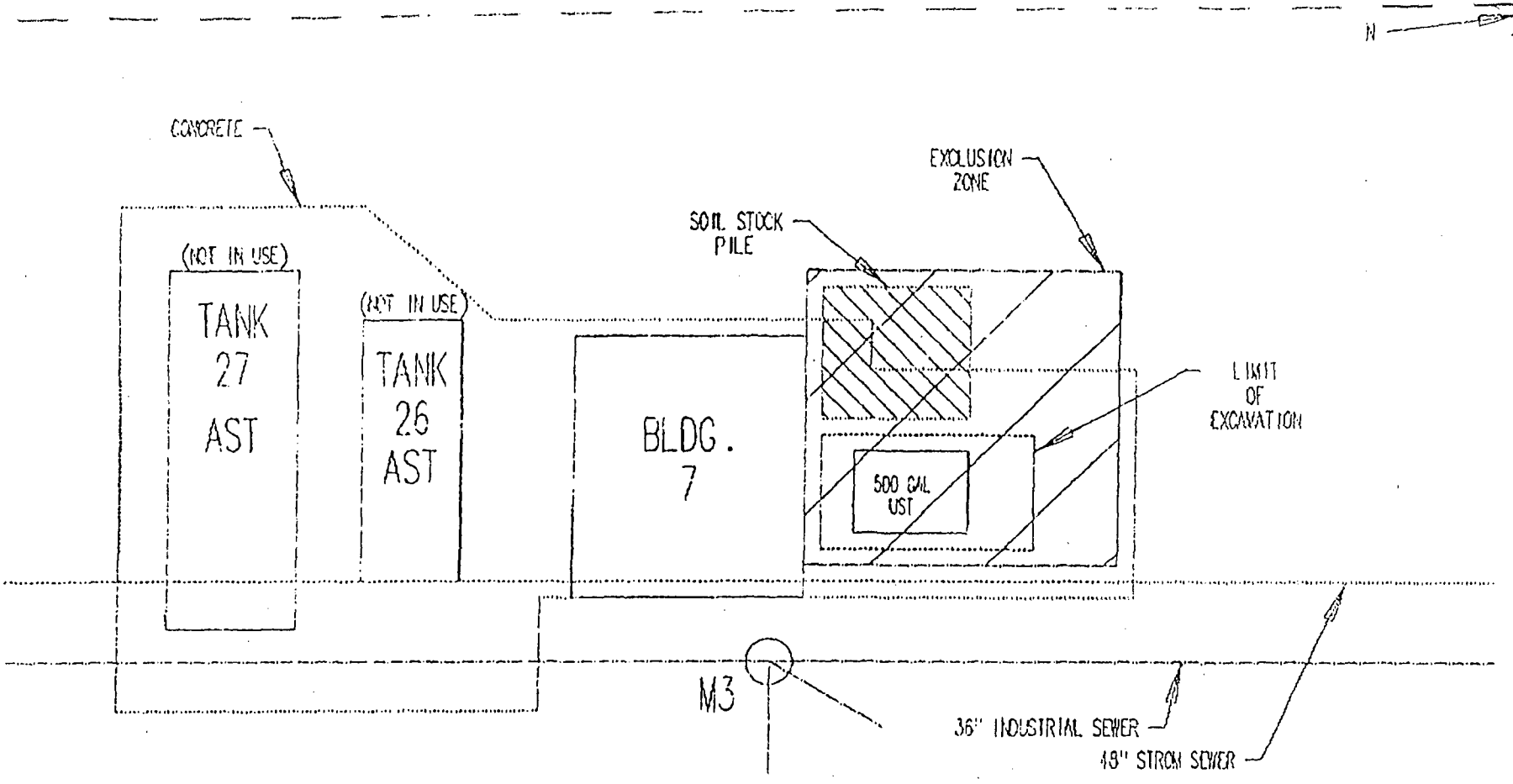
Ernest Vallisneri
CONSTRUCTION OFFICIAL

U.C.C. Form F-170A

(see reverse side)

1 WHITE—INSPECTOR 2 CANARY—OFFICE 3 PINK—OFFICE 4 GOLD—APPLICANT

884500021



HERITAGE

HERITAGE REMEDIATION/ENGINEERING, INC.

TOLEDO DIVISION
5656 OPPORTUNITY DRIVE
TOLEDO, OHIO

FORMER HEXCEL CORPORATION

500 gal. UST SITE PLAN

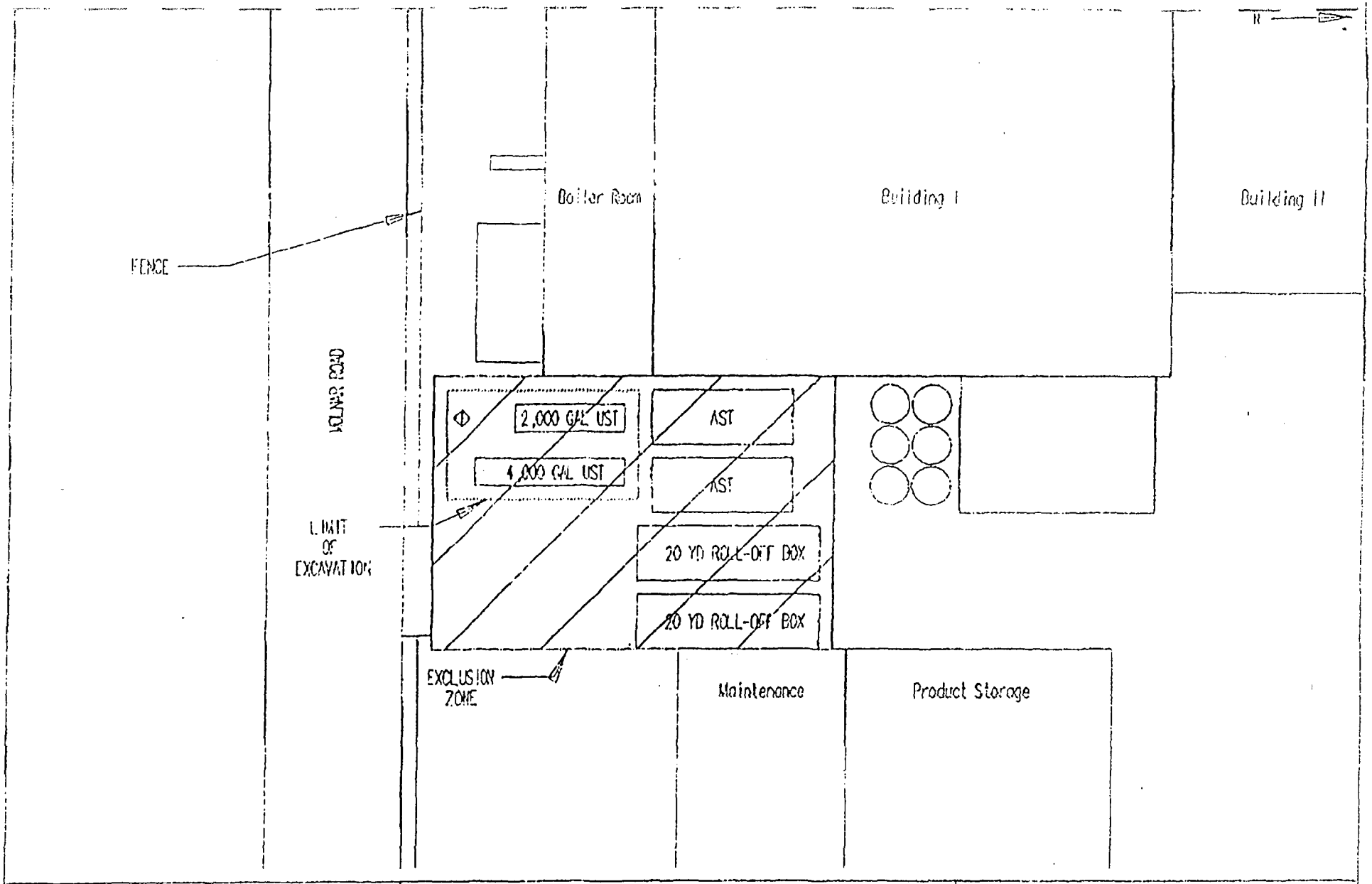
LODI, NEW JERSEY

LEGEND

Figure 2

DRAWN BY J. SKORA	DATE 3/1/91	DRAWING NO.
APPROVED BY JCR	APPROX. SCALE: 1" = 0'	0027-02

884500022



HERITAGE

HERITAGE REMEDIATION/ENGINEERING, INC.

TOLEDO DIVISION
5656 OPPORTUNITY DRIVE
TOLEDO, OHIO

Former Hexcel Corporation

Fuel Oil UST Site Plan

Lodi, New Jersey

LEGEND

RECOVERY WELL

Figure 1

DRAWN BY J. SOSKA	DATE 3/1/91	DRAWING NO.
APPROVED BY JJR	APPROX. SCALE: 1" = 20'	6027-01

884500023

Phone: (201) 772-5164 Fax: (201) 772-2416

PARKWAY IRON & METAL CO., Inc.

Buyers and Processors of
• Light and Heavy Iron
• All Types of Metal

• Industrial Dismantling
Our Specialty

P.O. BOX 2049 or 613-639 ROUTE 46 — CLIFTON, NEW JERSEY, 07015

July 26,1991

Heritage Remediation/Engineering Inc.
Toledo Division
5656 Opportunity Drive
Toledo, Ohio 43612

Att:Steve Kinsey:

To Whom It May Concern:

This instrument will serve as the Letter Destruction for the scrap material removed from the job site in Lodi:

Job Site: Fine Organics
205 Main Street
Lodi, New Jersey

Date removed from site: July 26,1991

Type of material removed: 3 Steel underground storage tanks
1 - 4000 gal. tank
1 - 2000 gal. tank
1 - 500 gal. tank

Method in which it was destroyed: Furnace at a Steel Mill

Form in which material was in our container at the time of Pick up:

Cleaned, Rinsed and cut up in pieces

Net Weight of material removed: 6440 lbs.-Weight Slip Tkt.#3479

Net scrap value of material: 2.875 G.T. @ $ 45.00G.T.

Total Value $ 129.38

PAID IN FULL
CHECK # 4423
DATE 7/30/91

AUG 5 RECD

884500024

Telephone
(201) 772-5164

PARKWAY IRON & METAL CO., INC.

613-639 ROUTE 46 • P.O. BOX 2049 • CLIFTON, NJ 07015

№ 3479

Customer Name Heritage Remediation/Engineering Inc (Toledo Division) 7-26-91 Date

Address 5656 Opportunity Drive 00:00 AM 46400 LB Gross

City Toledo State Ohio 00:00 AM 39960 LB Tare

Zip 43612 6440 Net

Commodity Cut up Storage Tank

Job Site ~~Truck No.~~ Fine Organics 205 Main Street Lodi N.J.

Driver Rip ON X OFF

Weightmaster William R. Campbell

CHECK IS DELIVERED FOR PAYMENT ON THE FOLLOWING ACCOUNTS

	AMOUNT
ks	

PARKWAY IRON & METAL CO., INC. 4423
P.O. BOX 2049
613-639 ROUTE 46
CLIFTON, NJ 07015

55-138/212

7/30 19 91

PAY TO THE ORDER OF Heritage Remediation/Engr. $ 129 35/100

THE SUM 129 DOLLARS 35 CTS DOLLARS

Valley National Bank
615 MAIN AVE.
PASSAIC, NEW JERSEY 07055

Kenneth Gluga

⑈004423⑈ ⑆021201383⑆ 040⑈33617⑈4⑈

884500025

STRAIGHT BILL OF LADING

Short Form - Original - Not Negotiable

r Name HAUL

S - J TRANSPORTATION CO.

P.O. Box 169
Woodstown, N.J. 08098
(609) 769-2741

Carrier's No. 55921
Manifest No.
Code No. 5564 - 1
Date 07/17/91

NSIGNEE	NATIONAL TRANSFER	FROM / SHIPPER	Fine ~~FMC~~ ORGANICS
REET	445 NORTH MAIN STREET	STREET	205 MAIN STREET
STINATION	LODI STATE NJ ZIP	ORIGIN	LODI STATE NJ ZIP
ntact		Contact	TIM BASH
one No.	(201) 778-4764	Phone No.	(201) 472-6800
		Vehicle Number	1706

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)
		CONSTRUCTION DEBRIS	NON REGULATED		20 yds

Note load was rejected by National Transfer. Had to dump at R A Hamilton Unde-(Pinto Isl.)

16092 / 44202

Consignee	Date 7/17/91	Cost	
Trailer Type ROLLOFF	P/U Date 07/17/91	Del. Date 07/17/91	Gross Wt.
Box # 29	P/U Time 8 AM	Del. Time	Tare Wt.
	In 0800 Out 1330	In Out	Net. Wt.

Special Instruction & Explain Delay
DRIVER: DO NOT TAKE A BOX
TRAILER PHONE #201-779-6646
J00166071
ORDERED BY STEVE KIRSEY

Bill To: 37 P.O. No. 66-29-00956
HERITAGE REMEDIATION SERVICES
5656 OPPORTUNITY DRIVE
TOLEDO OH 43612
Contact: Phone No. (317) 243-7475

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

SHIPPER: ~~FMC~~ Fine Organics	PER:
PER: Tim Bash HR/E 1330	CARRIER - S-J Transportation Co. - Woodstown, NJ 08098
DATE: 7-17-91	PER:
EMERGENCY RESPONSE TELEPHONE NUMBER: ( )	DATE: 7-17-91
	Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

884500026

STRAIGHT BILL OF LADING

Short Form - Original - Not Negotiable

...r Name

S - J TRANSPORTATION CO.

P.O. Box 169
Woodstown, N.J. 08098
(609) 769-2741

Carrier's No. 55922
Manifest No. 5564 - 1
Code No. 07/17/91
Date

...NSIGNEE	NATIONAL TRANSFER (Park Service)	FROM SHIPPER	FMC ORGANICS
...REET	445 NORTH MAIN STREET	STREET	206 MAIN STREET
...ESTINATION	LODI STATE NJ ZIP	ORIGIN	LODI STATE NJ ZIP
...ontact		Contact	TIM NASH
...one No.	(201) 778-4764	Phone No.	(201) 472-6800
		Vehicle Number	

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)
		CONSTRUCTION DEBRIS	NON REGULATED		30 yds
		Rejected by National Transfer ... dump at ... Park Service			
		44326 - 16092			

...signee		Date	Cost		
...ailer Type	...	P/U Date 07/17/91	Del. Date 07/17/91		Gross Wt.
		P/U Time 8 AM	Del. Time		Tare Wt.
		In Out	In	Out	Net. Wt.

...pecial Instruction & Explain Delay	Bill To: 37 P.O. No. 66-29-60156
DELIVER: DO NOT TAKE A 697	HERITAGE REMEDIATION SERVICES
TRAILER PHONE (201) 779-6646	5656 OPPORTUNITY DRIVE
J06860071	
ORDERED BY STEVE KIRSLEY	TOLEDO OH 43612
	Contact: Phone No. (317) 243-7475

...his is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and ...re in proper condition for transportation according to the applicable regulations of the Department of Transportation

PER:

...HIPPER: FMC Organics	CARRIER: S-J Transportation Co. - Woodstown, NJ 08098
...ER:	PER:
...DATE: 7-17-91	DATE: 7-17-91
...ERGENCY RESPONSE ...LEPHONE NUMBER: ( )	Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

884500027

NA NAL TRANSFER, INC.

J. R. PINTO
Business Mgr.

778-657
445 No. Main St

LODI, N. J., 7/17 19 91

Charge To Heritage Corporation

2040 Roll Off Box		60400	
Ch# 001265		39160	
10.82 TONS	DER 16092	21640	wick
	44202 DECAL	67660	
		49320	
9.17 TONS	DEP 16092	18340	Welc
19.99	44226	decal	
=		.00	
$19.99			DOLLARS
=			
Total Tons 19.99			
Concrete			

RECEIVED BY Tim BASH HR/E 133

No. 11515

TOLEDO DIVISION
HEADQUARTERS
1175 WESTERN DR., INDIANAPOLIS, IN 46241

No. 001265

INB NATIONAL BANK
INDIANAPOLIS, INDIANA

CHECK AMOUNT
19980

CHECK NOT TO EXCEED $3000.00

PAY TO THE ORDER OF

NATIONAL TRANSFER

"001265" :074000052: 31"012 878"

AMOUNT

NET AMOUNT

884500028

TECHNICAL APPROACH TO THE SCOPE OF WORK

The scope of services to be provided by HR/E includes furnishing of all labor, items, materials, tools, transportation, supplies, and equipment necessary for the satisfactory completion of the tasks described in this work order.

TASK 1 Packer Testing Fine Organic's Production Well

As per NJDEP's July 12, 1991 letter, packer tests will be performed to obtain water samples from the facility's production well (PW-1) at various depths. We propose utilization of inflatable packers to isolate productive zones within the open bore hole of the well. According to the geophysical logs, it appears these productive zones occur at 60-68 feet, 122-130 feet and 194-208 feet. Static water level and typical pumping water level will be assessed during the packer testing and sampling. Water samples will be collected from each of three discrete productive zones and from the entire well column for VO+15 analysis using Method 624. In addition, a fiels and trip blank will be obtained for Quality Assurance/Quality Control, plus a tap sample will be obtained for metals and cation/anion analysis for PVSC requirements. The cost estimate has been based on three days work. Should the test become extended beyond the estimated three days, there will be an additional charges. Daily progress reports will be submitted to Hexcel presenting current status.

TASK 2 Pilot Injection/Withdrawal Well

HR/E proposes to install a pilot injection well approximately 10 feet north of RW7-6 for the purpose of injecting water from Fine Organics' production well. Injected water will create an increase in the hydraulic head difference between the upper and lower unconsolidated aquifers. The well will be constructed of double cased galvanized steel riser (12-inch diameter outer casing) grouted approximately five feet into the confining clay unit. The boring will be made inside the outer casing to the bedrock surface. A well having galvanized steel casing and 15 feet of 0.010 wrapped stainless steel screen wll be set into the lower aquifer. This well will be 6-inch diameter and approximately 35 feet in depth. The well will be developed by air lift

methods. Water derived will be treated on site. A single water sample will be collected from this well for VO+15 analysis using Method 624.

TASK 3 Deep Unconsolidated Aquifer Characterization

To further characterize the deep unconsolidated aquifer, slug tests will be performed on all the deep monitoring wells. In addition, a pump test will be conducted on the proposed injection well using nearby control wells and monitoring wells for distance-drawdown measurements.

3.1 In Situ Hydraulic Conductivity Tests

Slug tests will be performed on all deep monitoring wells to estimate the hydraulic conductivity and transmissivity of the deep unconsolidated aquifer. These tests are necessary to evaluate aquifer characteristics surrounding each deep well. The SLUGIX program will be used for calculating the hydraulic conductivity. The pressure transducer and PVC cylinder will be washed with a non-phosphate detergent and rinsed with potable water and then rinsed with distilled water between wells.

3.2 Pumping Test

A 48-hour pumping test will be performed on the proposed injection well using nearby control wells and monitoring well for distance-drawdown measurements. The well configuration will yield distance-drawdown measurements in all four directions for a radius of influence response to the pumping well.

TASK 4 Report Generation

Information derived from this study will be compiled and presented to you following completion of all analytical testing in an update report. The report will address methods and procedures used during the scope of work to include a tabulation of analyses, well completion diagrams, aquifer testing results, and conclusions and recommendations.

APPENDIX F
MONITORING WELL SPECIFICATIONS

Hexcel Corp. – Fine Organics Corp. Site
Lodi, New Jersey
Well Data Master File
July 26, 1991

Date: July 26, 1991
Project No. 60027
Reviewed:_____ Date: _____

SHALLOW WELLS

Well Number	North(X) Coordinate (feet)	East(Y) Coordinate (feet)	Ground Elevation (ft NGVD)	Top of Casing Elevation (ft NGVD)	Well Depth (feet BGL)	Well Diameter (inches)	Casing/ Screen Material	Top of Screen Depth (feet)	Top of Screen Elevation (ft NGVD)	Screen Length (feet)	Date Inst'd	Depth to Water (feet)	Water Elevation (ft NGVD)	Depth To Clay (feet)	Clay Elevation (ft NGVD)
MW-2	308.890	797.330	27.90	31.00	6.8	4	PVC	1.80	26.1	5.0	8/88	8.42	22.58	7.00	20.9
MW-4	393.840	893.880	29.02	32.28	6.50	4	PVC	1.50	27.52	5.0	8/88	8.48	23.80	--	29.0
MW-6	458.490	765.050	27.14	30.70	15	4	PVC	5.00	22.14	10.0	8/88	10.40	20.30	--	27.1
MW-8	500.210	698.780	26.92	30.26	13.9	4	PVC	4.00	22.92	10.0	8/88	--		14.00	12.9
MW-10	352.910	616.020	27.33	30.83	13.50	4	PVC	2.50	24.83	11.0	8/88	10.87	19.96	14.00	13.3
MW-12	563.430	809.020	27.62	31.01	13.60	4	PVC	4.00	23.62	10.0	8/88	10.68	20.33	--	27.6
MW-14	705.110	819.500	27.12	30.70	11.90	4	PVC	2.90	24.22	9.0	8/88	11.36	19.34	--	27.1
MW-16	350.260	740.950	26.71	29.69	9.60	4	PVC	5.00	21.71	5.0	8/88	7.53	22.16	10.00	16.7
MW-17	305.160	960.210	29.10	31.53	12.00	4	PVC	4.00	25.1	5.0	1/89	9.66	21.87	17.00	12.1
MW-18	291.620	877.430	29.04	32.23	8.00	4	PVC	3.00	26.04	5.0	8/88	9.56	22.67	8.00	21.0
MW-20	243.750	1037.750	28.50	27.95	19.90	4	PVC	15.00	13.5	5.0	11/90-I	5.53	22.42	--	28.5
MW-21	521.630	937.850	28.80	30.67	13.00	4	PVC	3.00	25.8	10.0	9/90	9.00	21.67	--	28.8
MW-22	246.510	918.790	28.73	28.36	8.50	4	PVC	4.00	24.73	5.0	+12/90	6.06	22.30	9.00	19.7
MW-23	273.390	822.100	27.83	27.29	10.00	4	PVC	5.00	22.83	5.0	+11/90	4.87	22.42	8.00	19.8
MW-24	287.890	744.780	26.93	26.12	10.00	4	PVC	5.00	21.93	5.0	+11/90	3.96	22.16	8.00	18.9
MW-25	300.920	670.040	26.47	26.03	13.00	4	PVC	8.00	18.47	5.0	9/90	7.34	18.69	13.00	13.5
MW-27	414.910	867.940	29.10	31.43	10.00	4	PVC	5.00	24.1	5.0	9/90	7.72	23.71	9.00	20.1
MW-28	575.020	746.370	27.50	29.68	13.00	4	PVC	3.00	24.5	10.0	9/90	10.60	19.08	13.00	14.5
MW-29	277.430	802.120	27.50	27.06	10.00	4	PVC	5.00	22.5	5.0	2/91	4.63	22.43	10.00	17.5
MW-30	263.980	855.240	28.25	27.95	11.00	4	PVC	6.00	22.25	5.0	2/91	5.57	22.38	10.00	18.3
MW-31	239.610	833.130	28.33	27.95	11.00	4	PVC	6.00	22.33	5.0	2/91	5.57	22.38	10.00	18.3
CW-1	349.460	981.040	30.27	29.77	12.00	4	GALV/SS	7.00	23.27	5.0	9/90	7.50	22.27	12.00	18.3
CW-2	371.790	975.860	30.11	29.51	12.00	4	GALV/SS	7.00	23.11	5.0	9/90	7.27	22.24	12.00	18.1
CW-3	320.440	968.870			12.00	4	GALV/SS			5.0	9/90	7.09		11.00	-11.0
CW-4	313.950	967.460	29.10	29.00	11.50	4	GALV/SS	6.50	22.6	5.0	7/90	6.42	22.58	11.50	17.6
CW-5	282.210	942.680	28.89	28.67	11.50	4	GALV/SS	6.50	22.39	5.0	7/90	--		12.00	16.9
CW-6	268.510	913.860	29.25	28.93	9.00	4	GALV/SS	4.00	25.25	5.0	9/90	6.57	22.36	9.00	20.3
CW-7	327.610	692.700	26.70	26.13	14.00	4	GALV/SS	9.00	17.7	5.0	8/90	7.27	18.86	14.00	12.7
CW-8	342.220	678.010	26.70	26.77	14.00	4	GALV/SS	9.00	17.7	5.0	7/90	8.23	18.54	14.00	12.7
CW-9	361.850	680.830	26.60	26.37	14.00	4	GALV/SS	9.00	17.6	5.0	8/90	--		14.00	12.6
CW-10	381.74	681.64	26.50	25.91	14.00	4	GALV/SS	9.00	17.5	5.0	8/90	7.21	18.70	14	12.5
CW-11	402.65	684.24	26.60	25.74	14.00	4	GALV/SS	9.10	17.5	5.0	8/90	--		13	13.6
CW-12	422.98	685.77	26.51	25.71	14.00	4	GALV/SS	8.91	17.6	5.0	8/90	7.13	18.58	13	13.5
CW-13			26.60	26.05	14.00	4	GALV/SS	9.09	17.51	5.0	8/90	--		13	13.6
CW-14			26.70	26.37	14.00	4	GALV/SS	9.10	17.6	5.0	7/90	7.68	18.69	14	12.7
CW-15			26.90	26.31	14.00	4	GALV/SS	9.20	17.7	5.0	8/90	--		13	13.9
CW-16			27.00	26.45	14.00	4	GALV/SS	9.00	18	5.0	8/90	--		12	15.0
CW-17			27.10	26.25	14.00	4	GALV/SS	9.00	18.1	5.0	8/90	--		13	14.1
CW-18	527.63	727.93	27.20	26.61	14.00	4	GALV/SS	9.00	18.2	5.0	8/90	--		13	14.2
CW-19			27.20	26.5	14.00	4	GALV/SS	9.00	18.2	5.0	8/90	7.24	19.26	13	14.2
CW-20			27.30	26.74	14.00	4	GALV/SS	9.00	18.3	5.0	8/90	--		13	14.3
CW-21	579.55	797.87	27.40	26.77	14.00	4	GALV/SS	9.00	18.4	5.0	8/90	--		12	15.4
CW-22	598.01	769.07	27.30	26.35	14.00	4	GALV/SS	9.00	18.3	5.0	8/90	6.98	19.37	13	14.3
RW	304.05	839.97	28.67	28.38		4	STEEL			5.0		--		NA	28.7
RW6-1	452.87	791.44	29.28	28.84	14.00	4	GALV/SS	9.00	20.28	5.0	8/90	--		NA	29.3
RW6-2					16.00	4	GALV/SS			5.0	8/90	--		NA	0.0
RW6-3	395.96	838.76	29.02	28.64	8.60	4	GALV/SS	3.60	25.42	5.0	8/90	--		7	22.0
RW7-1	433.41	748.38	26.94	26.49	18.00	4	GALV/SS	14.00	12.94	5.0	8/90	7.62	18.87	16	10.9
RW7-2	452.39	750.61	27.07	26.48	17.50	4	GALV/SS	12.50	14.57	5.0	8/90	6.70	19.78	15.5	11.6
RW7-3	470.95	760.32	27.17	26.78	17.50	4	GALV/SS	12.50	14.67	5.0	8/90	6.65	20.13	15.5	11.7
RW7-4	498.1	774.65	27.60	27.11	19.00	4	GALV/SS	14.00	13.6	5.0	8/90	7.20	19.91	17	10.6
RW7-5	515.22	784.9	27.97	27.57	20.00	4	GALV/SS	15.00	12.97	5.0	9/90	7.80	19.77	18	10.0
RW7-6	495.02	737.53	27.10	26.48	15.00	4	GALV/SS	10.00	17.1	5.0	9/90	7.02	19.46	13	14.1
RW7-7	539.29	772.2	27.25	26.89	15.00	4	GALV/SS	10.00	17.25	5.0	9/90	7.12	19.77	14	13.3
RW7-8	414.66	743.86	26.71	25.9	15.00	4	GALV/SS	10.00	16.71	5.0	9/90	5.89	20.01	13	13.7
RW7-9	517.87	754.19	27.18	26.87	17.00	4	GALV/SS	12.00	15.18	5.0	2/91	7.32	19.55	15	12.2
RW7-10	430.7	706.21	26.50	26.08	15.00	4	GALV/SS	10.00	16.5	5.0	2/91	6.24	19.84	12	14.5

Hexcel Corp. – Fine Organics Corp. Site
Lodi, New Jersey
Well Data Master File
July 26, 1991

Date: July 26, 1991
Project No. 60027
Reviewed:_____ Date: _____

SHALLOW WELLS

Well Number	North(X) Coordinate (feet)	East(Y) Coordinate (feet)	Ground Elevation (ft NGVD)	Top of Casing Elevation (ft NGVD)	Well Depth (feet BGL)	Well Diameter (inches)	Casing/ Screen Material	Top of Screen Depth (feet)	Top of Screen Elevation (ft NGVD)	Screen Length (feet)	Date Inst'd	Depth to Water (feet)	Water Elevation (ft NGVD)	Depth To Clay (feet)	Clay Elevation (ft NGVD)
RW15-1			30.43	28.89	14.80	4	GALV/SS	4.80	25.63	10.0	8/90	--		14.8	15.6
RW15-2			30.37	30.13	14.00	4	GALV/SS	4.00	26.37	10.0	8/90	--		12	18.4

DEEP WELLS

MW-1D	303.030	963.260	29.03	32.42	20.20	4	PVC	29.03		5.0	7/88	10.49	21.93	11.50	17.5
MW-3D	311.440	792.270	27.84	31.13	27.5	4	PVC	23.00	4.84	5.0	8/88	--	31.13	7.00	20.8
MW-5D	396.610	894.450	29.03	32.50	24.9	4	PVC	20.00	9.03	5.0	8/88	11.16	21.34	7.00	22.0
MW-7D	449.030	762.640	27.18	30.68	29.6	4	PVC	27.18		5.0	7/88	10.12	20.56	15.00	12.2
MW-9D	496.550	698.070	26.89	29.83	26.80	4	PVC	21.80	5.09	5.0	7/88	--	29.83	14.00	12.9
MW-11D	354.660	618.330	27.28	30.78	30.40	4	PVC	20.00	7.28	5.0	7/88	--	30.78	14.00	13.3
MW-13D	560.600	810.570	27.63	31.16	29.70	4	PVC	27.63		5.0	7/88	10.08	21.08	14.00	13.6
MW-15D	703.070	819.060	27.17	30.77	22.00	4	PVC	17.00	10.17	5.0	7/88	9.36	21.41	12.00	15.2
MW-19D	806.620	945.860	27.30	29.08	25.00	4	PVC	27.30		5.0	1/89	7.62	21.46	16.00	11.3
MW-26D	456.260	848.200	29.26	28.88	19.00	2	PVC	17.06	12.2	5.0	+12/90	--	28.88	--	29.3